

SAFETY DATA SHEET

SX Supa Smoke

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME SX Supa Smoke

SUPPLIER Esssex Environmental Supplies Ltd
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2 HAZARDS IDENTIFICATION

Harmful by inhalation and if swallowed. May cause sensitisation by skin contact. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION (1999/45) Xn;R20/22. R43. N;R50/53.

PHYSICAL AND CHEMICAL HAZARDS
 Product burns without a flame to give a dense white harmful smoke.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
PERMETHRIN	258-067-9	052645-53-1	10-30%	Xn;R20/22 R43 N;R50/53
POTASSIUM CHLORATE	223-289-7	3811-04-9	10-30%	O;R9 Xn;R20/22 N;R51/53

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

GENERAL INFORMATION
 Remove affected person from source of contamination. Remove contaminated clothing immediately and dispose of safely.

NOTES TO THE PHYSICIAN
 This product contains a Pyrethoid, and MUST NOT be confused with organophosphorus compounds.

INHALATION
 Remove victim immediately from source of exposure. Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position. Get medical attention if any discomfort continues.

INGESTION
 Rinse mouth thoroughly. DO NOT induce vomiting. Get medical attention immediately.

SKIN CONTACT
 Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.

EYE CONTACT
 Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA
 Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Do not use high volume water jet.

SPECIAL FIRE FIGHTING PROCEDURES
 Avoid breathing fire vapours. Containers close to fire should be removed or cooled with water. Dike and collect extinguishing water.

UNUSUAL FIRE & EXPLOSION HAZARDS
 In case of fire the evolution of dangerous gases is possible. Contains potassium chlorate which is classified as an oxidising agent. This will assist combustion in a fire situation.

PROTECTIVE MEASURES IN FIRE
 Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

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PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

SPILL CLEAN UP METHODS

Avoid contact with skin or inhalation of spillage, dust or vapour. Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Do not contaminate water sources or sewer.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Read and follow manufacturer's recommendations. Avoid inhalation of dust and contact with skin and eyes. Do not eat, drink or smoke when using the product.

USAGE DESCRIPTION

Pesticide smoke generator.

STORAGE PRECAUTIONS

Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store in tightly closed original container in a dry and cool place. Keep away from heat, sparks and open flame.

STORAGE CLASS

Keep in pesticide store - product is an insecticide of low toxicity. Physically and chemically stable for at least 2 years when stored in the original, unopened containers at ambient temperatures.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT COMMENTS

When using this product, refer to the label for details. Should it be necessary to enter the treated area whilst smoke remains in the atmosphere, respiratory protective equipment and eye protection must be used (see HSE Guidance Booklet (HS)G53 'Respiratory Protective Equipment - A Practical Guide for Users')

PROTECTIVE EQUIPMENT



RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

HAND PROTECTION

For prolonged or repeated skin contact use suitable protective gloves.

EYE PROTECTION

Wear approved chemical safety goggles where eye exposure is reasonably probable.

HYGIENE MEASURES

Wash contaminated clothing before reuse. Wash at the end of each work shift and before eating, smoking and using the toilet.

SKIN PROTECTION

Wear apron or protective clothing in case of contact.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Powder
COLOUR	White / off-white
ODOUR	Characteristic
SOLUBILITY	Slightly soluble in water.
AUTO IGNITION TEMPERATURE (°C)	>130

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid exposure to high temperatures or direct sunlight.

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MATERIALS TO AVOID

Flammable/combustible material.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

11 TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION

Oral LD50 (rat) 1479 mg/kg Permethrin,
Oral LD50 (rat) 1260 mg/kg Potassium Chlorate.

INHALATION

Smoke may cause upper airway irritation.

INGESTION

Burning in mouth, vomiting, nausea, tremors and convulsions may occur.

SKIN CONTACT

May cause skin irritation/eczema. May cause sensitisation by skin contact.

EYE CONTACT

May cause temporary eye irritation.

ROUTE OF ENTRY

Inhalation. Skin and/or eye contact. Ingestion.

12 ECOLOGICAL INFORMATION

LC 50, 96 Hrs, FISH mg/l	0.0076
EC 50, 48 Hrs, DAPHNIA, mg/l	0.00017
IC 50, 72 Hrs, ALGAE, mg/l	0.497

DEGRADABILITY

The product is not readily biodegradable.

ACUTE FISH TOXICITY

Very toxic to aquatic organisms.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

This material and its container must be disposed of in a safe way.

14 TRANSPORT INFORMATION



UK ROAD CLASS	9		
PROPER SHIPPING NAME	ENVIROMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (PERMETHRIN MIXTURE)		
UN NO. ROAD	3077	UK ROAD PACK GR.	III
ADR CLASS NO.	9	ADR CLASS	Class 9: Miscellaneous dangerous substances and articles.
ADR PACK GROUP	III	HAZARD NO. (ADR)	90 Environmentally hazardous substance; miscellaneous dangerous substances.
HAZCHEM CODE	90	CEFIC TEC(R) NO.	90GM7-III
RID CLASS NO.	9	RID PACK GROUP	III
UN NO. SEA	3077	IMDG CLASS	9
IMDG PACK GR.	III	EMS	F-A, S-F
MARINE POLLUTANT			

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UN NO. AIR

3077



AIR CLASS 9 AIR PACK GR. III

15 REGULATORY INFORMATION

LABELLING



Harmful



Dangerous for the environment

CONTAINS PERMETHRIN

RISK PHRASES

R43 May cause sensitisation by skin contact.
 R20/22 Harmful by inhalation and if swallowed.
 R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SAFETY PHRASES

S2 Keep out of the reach of children.
 S13 Keep away from food, drink and animal feeding stuffs.
 S16 Keep away from sources of ignition - No smoking.
 S20/21 When using do not eat, drink or smoke.
 S23 Do not breathe vapour/spray.
 S24 Avoid contact with skin.
 S35 This material and its container must be disposed of in a safe way.
 S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
 S57 Use appropriate containment to avoid environmental contamination.
 S23 Do not breathe spray.
 Do not breathe smoke/fumes.

UK REGULATORY REFERENCES

This product is approved under the Control of Pesticides Regulations 1986. HSE No. 7187.

16 OTHER INFORMATION

GENERAL INFORMATION

This product is approved under the Control of Pesticides Regulations 1986 (as amended). The information contained in this Safety Data Sheet is believed to be true and correct, as of the issue date. The accuracy and completeness of this information and any recommendations, or suggestions are made without warranty or guarantee. Since the conditions of use are beyond the control of our company, it is the responsibility of the user to determine the conditions of safe use for this product.

REVISION DATE 09/03/2011

REV. NO./REPL. SDS GENERATED 4

DATE 09/03/2011

RISK PHRASES IN FULL

R9 Explosive when mixed with combustible material.
 R20/22 Harmful by inhalation and if swallowed.
 R43 May cause sensitisation by skin contact.
 R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in a process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.